

Patent
42530-5900

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IN THE CLAIMS:

1.-6. (Cancelled)

7. (Currently Amended) A sensor position adjusting device, comprising:

a driving member for being driven by a coin dispensed by a coin dispenser;

5 a sensor unit for detecting movement of the driving member to detect a coin dispensed by a coin dispenser; and

a screw unit for adjusting the relative position of the sensor unit and the driving member including

a fixed base plate attached to the coin dispenser, the fixed base plate

10 having a first bracket extending perpendicular to the fixed base plate,

a movable base plate releasably attached to the fixed base plate, the

movable base plate having a second bracket extending perpendicular to the movable base

plate, the sensor unit being mounted on the movable base plate, wherein the movable

base plate includes elongated holes along the axis of the screw, the elongated holes

15 allowing movement of the movable base plate relative to the fixed base plate only in the direction of the elongated holes, and

a screw positioned to operatively connect a portion of the first bracket and

the second bracket so that turning the screw causes the first bracket and the second

bracket to move relative to each other, wherein turning the screw adjusts the position of

20 the sensor unit.

8. (Cancelled)

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9. (Currently Amended) The sensor position adjusting device of Claim [[8]] 7,
further comprising:

a fixing unit for preserving the relative position of the movable base plate to the
fixed base plate.

5 10. (Currently Amended) The sensor position adjusting device of Claim 9,
wherein the fixing unit includes a fixing screw threaded from the movable bracket
to the fixed bracket such that tightening the fixing screw does not change the position of the
movable bracket to the fixed bracket.

10 11. (Currently Amended) The sensor position adjusting device of Claim [[8]] 7,
wherein the first bracket has a through hole and the second bracket has a threaded
hole, the screw being positioned to pass through the through hole and being threadedly engaged
in the threaded hole, the through hole having a diameter that is larger than the diameter of the
screw so that the screw is retained in the through hole in a non-threaded manner.

15 12. (Currently Amended) The sensor position adjusting device of Claim 9, further
comprising:

a spring mounted over [[the]] an axis of the screw and between the first bracket
and the second bracket, the spring providing an opposing force between the first bracket and the
second bracket along the axis of the screw.

13. (Cancelled)

20 14. (Original) The sensor position adjusting device of Claim 7,
wherein the sensor unit includes an optical emitter and sensor pair.

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15. The sensor position adjusting device of Claim 7,
wherein the sensor unit includes a proximity sensor.
16. The sensor position adjusting device of Claim 7,
wherein the sensor unit includes a switch.
- 5 17. The sensor position adjusting device of Claim 7,
wherein the sensor unit includes a coil.
18. The sensor position adjusting device of Claim 7,
wherein the sensor unit includes an electromagnetic sensor.
19. (Cancelled)
- 10 20. (New) A sensor position adjusting device, comprising:
a driving member for being driven by a coin dispensed by a coin dispenser;
a sensor unit for detecting movement of the driving member to detect a coin
dispensed by a coin dispenser, and
a screw unit for adjusting the relative position of the sensor unit and the driving
15 member includes
a fixed base plate attached to the coin dispenser, the fixed base plate
having a first bracket extending perpendicular to the fixed base plate,
a movable base plate releasably attached to the fixed base plate, the
movable base plate having a second bracket extending perpendicular to the movable base
20 plate, the sensor unit being mounted on the movable base plate, and

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a screw positioned to operatively connect a portion of the first bracket and the second bracket so that turning the screw causes the first bracket and the second bracket to move relative to each other, wherein turning the screw adjusts the position of the sensor unit; and

5 a fixing unit for preserving the relative position of the movable base plate to the fixed base plate including a fixing screw threaded from the movable bracket to the fixed bracket such that tightening the fixing screw does not change the position of the movable bracket to the fixed bracket.

21. (New) The sensor position adjusting device of Claim 20,
10 wherein the movable base plate includes elongated holes along the axis of the screw, the elongated holes allowing movement of the movable base plate relative to the fixed base plate only in the direction of the elongated holes.

22. (New) The sensor position adjusting device of Claim 20,
wherein the sensor unit includes an optical emitter and sensor pair.

15 23. (New) The sensor position adjusting device of Claim 20,
wherein the sensor unit includes a proximity sensor.

24. (New) The sensor position adjusting device of Claim 20,
wherein the sensor unit includes a switch.

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25. (New) A sensor position adjusting device, comprising:

a driving member for being driven by a coin dispensed by a coin dispenser;

a sensor unit for detecting movement of the driving member to detect a coin
dispensed by a coin dispenser; and

5 a screw unit for adjusting the relative position of the sensor unit and the driving
member includes

a fixed base plate attached to the coin dispenser, the fixed base plate
having a first bracket extending perpendicular to the fixed base plate,

10 a movable base plate releasably attached to the fixed base plate, the
movable base plate having a second bracket extending perpendicular to the movable base
plate, the sensor unit being mounted on the movable base plate, and

15 a screw positioned to operatively connect a portion of the first bracket and
the second bracket so that turning the screw causes the first bracket and the second
bracket to move relative to each other, wherein turning the screw adjusts the position of
the sensor unit,

20 wherein the first bracket has a through hole and the second bracket has a
threaded hole, the screw being positioned to pass through the through hole and being
threadedly engaged in the threaded hole, the through hole having a diameter that is larger
than the diameter of the screw so that the screw is retained in the through hole in a non-
threaded manner.

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26. (New) The sensor position adjusting device of Claim 25, further comprising:

a spring mounted over an axis of the screw and between the first bracket and the second bracket, the spring providing an opposing force between the first bracket and the second bracket along the axis of the screw.

5 27. (New) A sensor position adjusting device, comprising:

a driving member for being driven by a coin dispensed by a coin dispenser;

a sensor unit for detecting movement of the driving member to detect a coin dispensed by a coin dispenser; and

10 a screw unit for adjusting the relative position of the sensor unit and the driving member including

a fixed base plate attached to the coin dispenser, the fixed base plate having a first bracket extending perpendicular to the fixed base plate,

15 a movable base plate releasably attached to the fixed base plate, the movable base plate having a second bracket extending perpendicular to the movable base plate, the sensor unit being mounted on the movable base plate,

a screw positioned to operatively connect a portion of the first bracket and the second bracket so that turning the screw causes the first bracket and the second bracket to move relative to each other, wherein turning the screw adjusts the position of the sensor unit,

20 a spring mounted over an axis of the screw and between the first bracket and the second bracket, the spring providing an opposing force between the first bracket and the second bracket along the axis of the screw; and

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a fixing unit for preserving the relative position of the movable base plate to the fixed base plate.

28. (New) The sensor position adjusting device of Claim 27,

wherein the first bracket has a through hole and the second bracket has a threaded
5 hole, the screw being positioned to pass through the through hole and being threadedly engaged
in the threaded hole, the through hole having a diameter that is larger than the diameter of the
screw so that the screw is retained in the through hole in a non-threaded manner.

29. (New) The sensor position adjusting device of Claim 27,

wherein the fixing unit includes a fixing screw threaded from the movable bracket
10 to the fixed bracket such that tightening the fixing screw does not change the position of the
movable bracket to the fixed bracket.